Serial No. 09/844,697

### **AMENDMENTS TO THE DRAWINGS:**

In the Office Action at item 3, the Examiner objected to the drawings. In order to overcome these objections, replacement figures are submitted herewith. In FIG. 1, the legend "Prior Art" has been added. Approval of these changes to the Drawings is respectfully requested.



DOCKET NO. 1293.1204

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Byung-in MA et al.

Serial No: 09/844,697

Confirmation No. 9532

Filed: April 30, 2001

For: ERROR SIGNAL DETECTION APPARATUS AND METHOD FOR OPTICAL

RECORDING/REPRODUCING SYSTEM

## <u>LETTER TO THE EXAMINER REQUESTING</u> <u>APPROVAL OF THE CHANGES TO THE DRAWINGS</u>

RECEIVED

MAY 2 8 2004

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Technology Center 2600

Sir:

It is respectfully requested that the Examiner having jurisdiction over the subject application approve the amendments to the drawings as indicated in RED on the attached copy of FIG. 1.

Respectfully submitted,

Group Art Unit: 2655

Examiner: Jorge L. Ortiz Criado

STAAS & HALSEY LLP

Date: <u>5-25-84</u>

By:

Michael J. Badagliacca Registration No. 39,099

1201 New York Ave, N.W., Suite 700

Washington, D.C. 20005 Telephone: (202) 434-1500 Facsimile: (202) 434-1501



DOCKET NO. 1293.1204

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Byung-in MA et al.

Serial No: 09/844,697

Confirmation No. 9532

Filed: April 30, 2001

ERROR SIGNAL DETECTION APPARATUS AND METHOD FOR OPTICAL

RECORDING/REPRODUCING SYSTEM

**LETTER TO THE EXAMINER SUBMITTING CORRECTED AND/OR FORMAL DRAWINGS**  **RECEIVED** 

MAY 2 8 2004

**Technology Center 2600** 

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

ATTENTION: OFFICIAL DRAFTSPERSON

Sir:

For:

Concurrent with the Letter to the Examiner Requesting Approval of the Changes to the Drawings, it is respectfully requested that the attached one (1) sheet of corrected Formal Drawings (FIG. 1) be entered as part of the subject application.

Respectfully submitted,

Group Art Unit: 2655

Examiner: Jorge L. Ortiz Criado

STAAS & HALSEY LLP

Date: 5-26-0°

Michael J. Badagilacca Registration No. 39,099

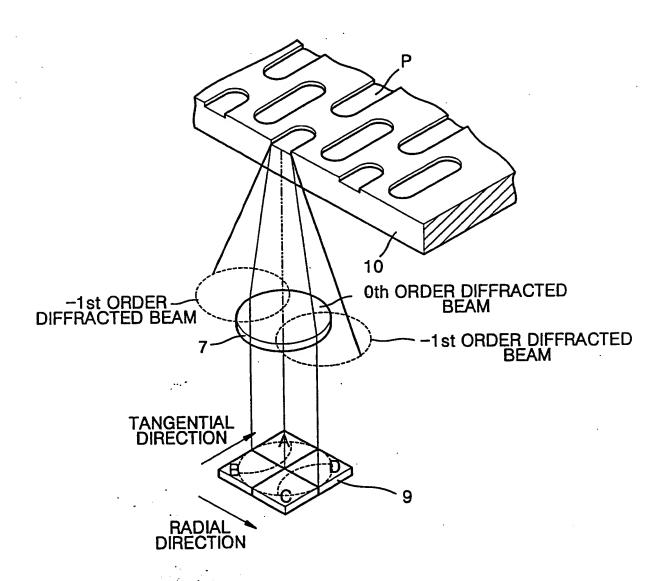
1201 New York Ave, N.W., Suite 700

Washington, D.C. 20005 Telephone: (202) 434-1500 Facsimile: (202) 434-1501



Replacement Sheet Serial No. 09/844,697

FIG. 1



**PRIOR ART** 



FIG. 1

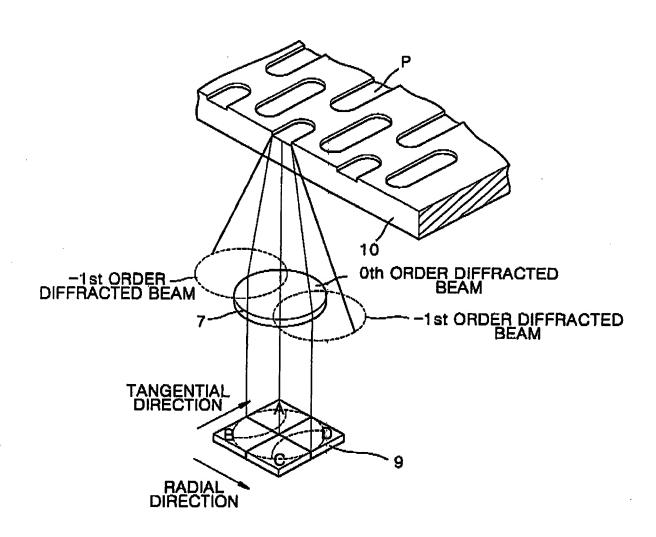




FIG. 2

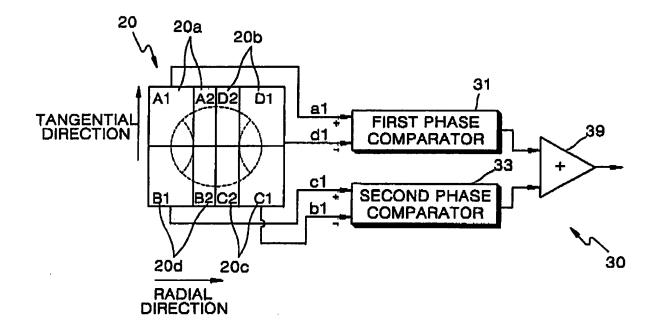




FIG. 3

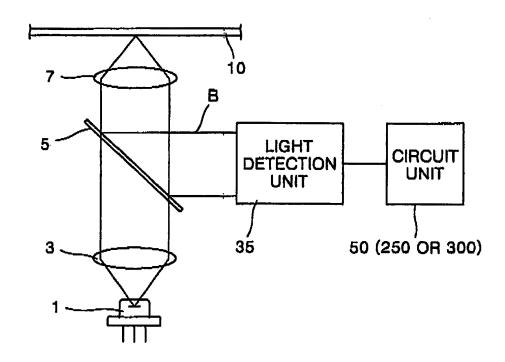


FIG. 4

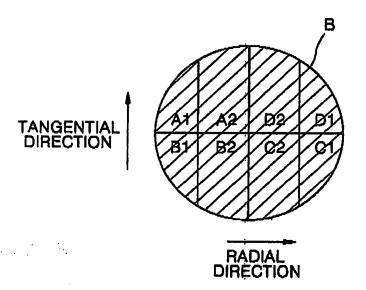




FIG. 5

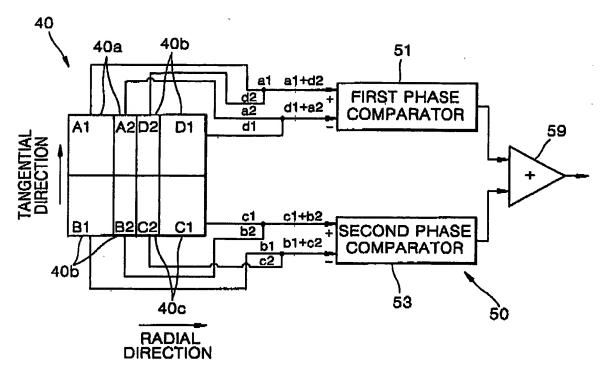


FIG. 6

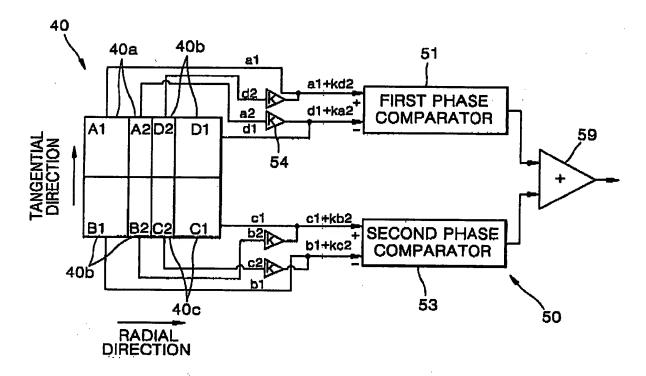




FIG. 7

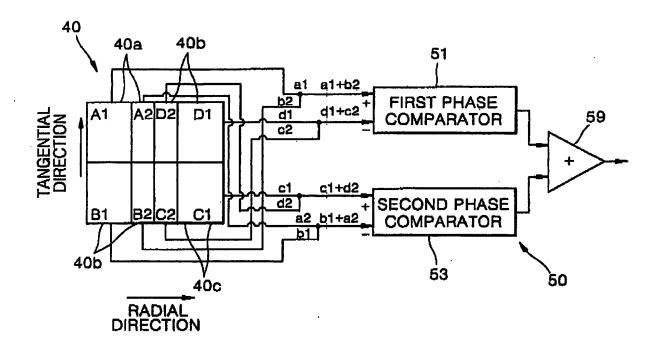


FIG. 8A

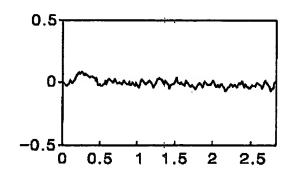




FIG. 8B

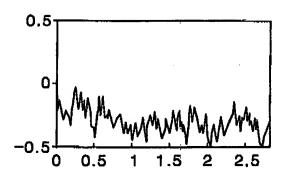


FIG. 9A

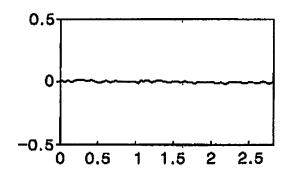




FIG. 9B

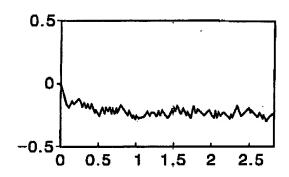


FIG. 10A

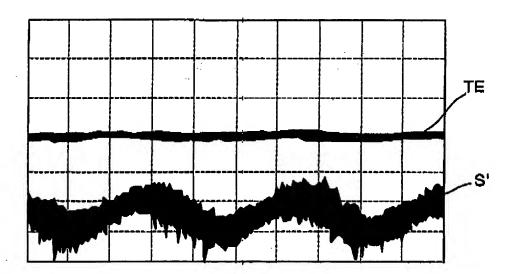




FIG. 10B

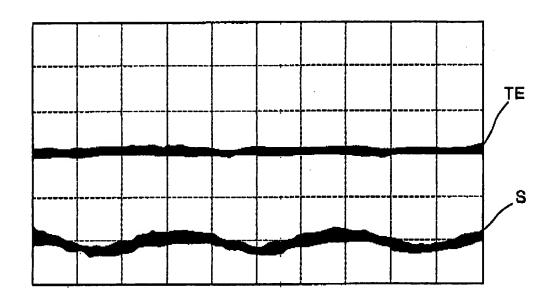


FIG. 11

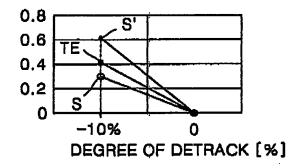




FIG. 12

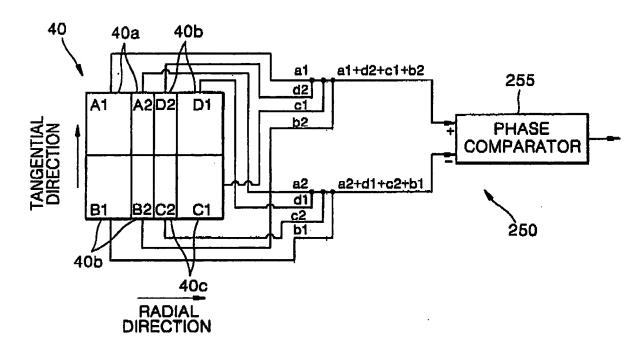


FIG. 13

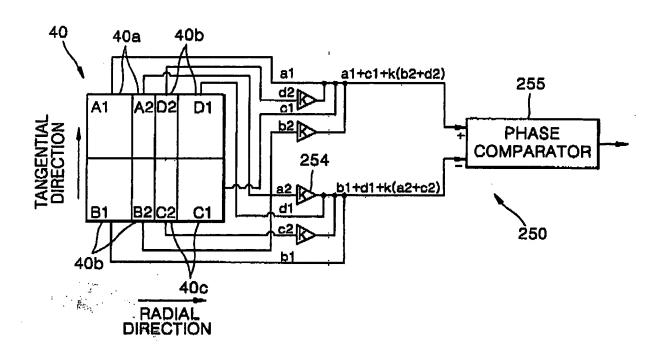




FIG. 14

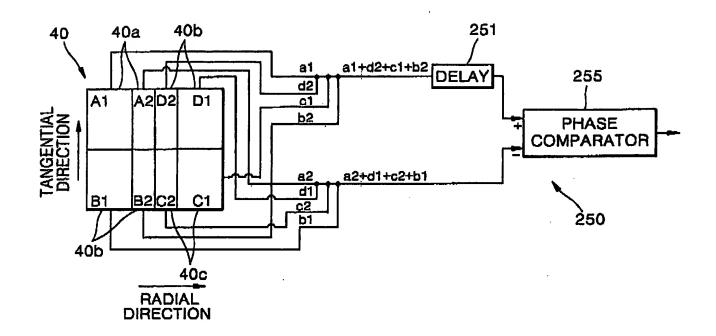


FIG. 15

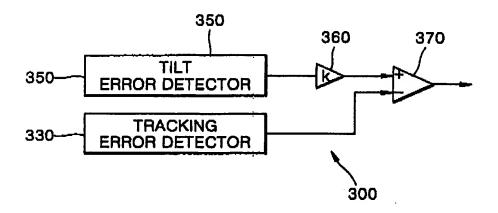




FIG. 16A

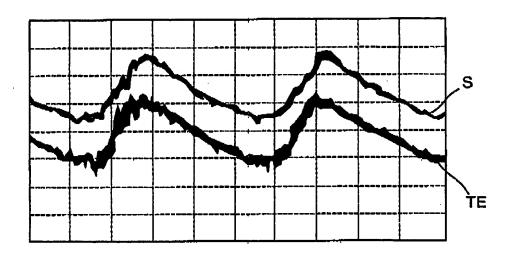
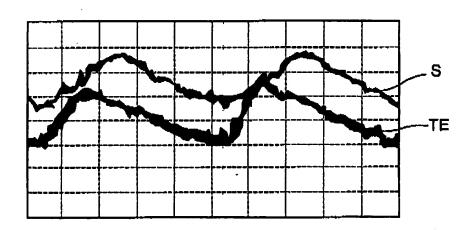


FIG. 16B



1



# FIG. 17A

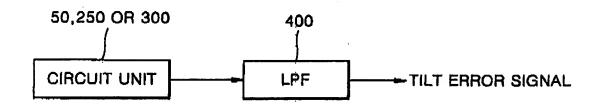


FIG. 17B

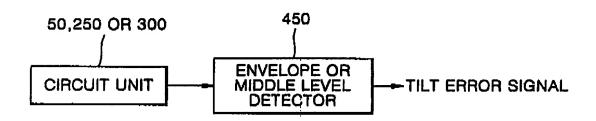
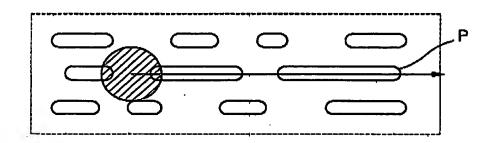


FIG. 18





### FIG. 19

RADIAL TILT = 1°













RADIAL TILT = +0.5°





























**RADIAL** DIRECTION

**TANGENTIAL** DIRECTION



FIG. 20

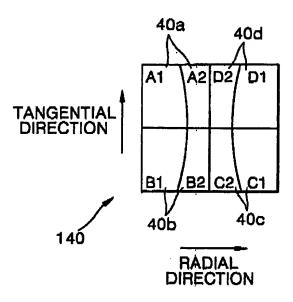


FIG. 21

